

INTERNATIONAL SEARCH REPORT

Internati Application No
PCT/Gb 03/05520

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E21B33/138 E21B17/10 E21B21/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 776 111 A (JAMES VANCE) 1 January 1957 (1957-01-01) column 4, lines 6-7; figures 3,4,6	1-7, 17-21
A	-----	8-16,22
A	SU 1 361 304 A (KB POLT INST KUJBYSHEVA) 23 December 1987 (1987-12-23) cited in the application the whole document	1-22
A	-----	
A	US 4 049 066 A (RICHEY VERNON T) 20 September 1977 (1977-09-20) the whole document	1-22

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

31 March 2004

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07/04/2004

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mation on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2776111	A	01-01-1957	NONE	
SU 1361304	A	23-12-1987	SU 1361304 A1	23-12-1987
US 4049066	A	20-09-1977	NONE	